

# The Eleventh Symposium of Magnetic Measurements SPM'2014

The Eleventh Symposium of Magnetic Measurements SPM'2014 took place from 20<sup>th</sup> to 22<sup>nd</sup> October 2014 in Czarny Las in the neighbourhood of Częstochowa. The main organizing party of the Symposium was the Częstochowa Branch of Polish Society of Theoretical and Applied Electrical Engineering (PTETiS), led by Prof. Jan Szczygłowski. The co-organizing parties were the following institutions: Faculty of Electrical Engineering, Częstochowa University of Technology, Electrotechnical Institute, Tele- and Radio Research Institute and Ariel University, Ariel, Israel. The Symposium was organized under the auspices of Her Magnificence, Rector of Częstochowa University of Technology, Prof. Maria Nowicka-Skowron as well as of Committee of Electrical Engineering, Polish Academy of Sciences. The event was organized within the 65<sup>th</sup> anniversary of founding Częstochowa University of Technology. The representatives of university authorities ie. Deputy Rector, Prof. Andrzej Rusek and Dean of the Faculty of Electrical Engineering, Prof. Lech Borowik, were kind to take part in the Symposium, thus making it more prestigious. The President of the Scientific Committee of SPM'2014 was Prof. Kazimierz Zakrzewski from Technical University of Łódź (a former member of the Central Commission for Scientific Degrees and Titles), whereas the Honorary President was the nestor and the initiator of the concept to prepare the Symposium of Magnetic Measurements – Prof. Jacek R. Przygodzki. In the event took part both the representatives of domestic and foreign scientific community, as well as industry employees (Stalprodukt S. A. from Bochnia, ABB Research Corporate Centre from Kraków).

The Symposium was the opportunity to exchange opinions on current problems faced by the people involved in magnetic measurements and designers of magnetic circuits in electric machines. The so-called invited papers aroused particularly much interest among the participants. Professor Kazimierz Zakrzewski has presented an interesting lecture on loss prediction in magnetic circuits supplied from PWM devices, whereas Dr. Jerzy Bajorek from Wrocław University of Technology (Fot. 1) has focused on measurements of magnetic properties of electrical steels, e.g. the problem of determination of length of mean magnetic flux path.



Within the framework of the Symposium a session for young researchers (PhD students) was also organized. The best paper of the session, presented by B.Sc. André Sandmann from Hochschule Wismar, University of Technology, Business and Design, titled „Modulation-mode and power assignment in SVD-assisted broadband MIMO Systems using polynomial matrix factorization” was picked up by the session chairmen, Prof. Krzysztof Kluszczyński and Dr. Mariusz Najgebauer. The author has received a reward – an album on palaces and castles of the Upper Silesia from the President of PTETiS.

The presentations of the papers were accompanied by lively discussion and debate, cf. Fot. 2. In the photograph the following persons are visible (from left): Dr. Mariusz Najgebauer from Częstochowa University of Technology, Prof. Krzysztof Kluszczyński from Silesian University of Technology, Prof. Yosef Pinhasi and Prof. Asher Yahalom from Ariel University, Ariel, Israel.

In their free time the participants were able to relax strolling in the picturesque scenery, availing of the beauty of Polish golden autumn. A nice accent was the show of the members of regional ensemble Karlik (Fot.), who have made the get-together party more memorable.



The participants have agreed that the future editions of the Symposium should be organized.

*The members of the Organizing Committee:  
Jan Szczygłowski, Krzysztof Chwastek, Mariusz Najgebauer*